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**Certificate of Facsimile Transmission**

The following documents were submitted by facsimile today, November 20, 2005 by me, Robert O. McGinnis to the USPTO. These documents were faxed to 571-273-8300 by me.

The documents are as follows:

- 1) Supplemental Amendment/Response for application 10/037, 718, 26 pages (signed).
- 2) PTO Form Credit Card Form PTO-2038 with payment of \$550 small entity fee for 18 extra claims and 1 extra independent claim. **Bringing total fees paid (for both this Supplemental Amendment/Response and the previously filed Amendment/Response of 9/13/05) to 19 extra claims and 1 extra independent claim. A fee of \$25 was previously paid in the previously filed Amendment /Response.** (1 page signed)

- 3) This Certificate of Transmission. (1 page signed)

Total Sheets (or pages), including this Certificate of Facsimile Transmission, 28 sheets.



November 20, 2005  
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Supplemental Amendment/Response for application 10/037, 718 Applicants MCGINNIS ET AL. 1  
November 20, 2005; 26 total pages submitted by fax to 571-273-8300

## **Supplemental Amendment**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ralph Evan McGinnis and Robert Owen McGinnis

Application No.: 10/037,718

Filed: 01/04/2002

Title of the Invention: TWO-DIMENSIONAL LINKAGE STUDY METHODS AND RELATED  
INVENTIONS

Art Unit 1637

Examiner: Horlick, K.

Honorable Commissioner for Patents  
submitted by fax to 571-273-8300

### **SUPPLEMENTAL AMENDMENT/RESPONSE**

Sir:

This Supplemental Amendment/Response follows an Amendment/Response, RCE filed September 13, 2005. The Amendment/Response of September 2005 responded to all points of rejection in the Final Office Action dated May 13, 2005. A Request for Continuing Examination (RCE) was also filed along with amendments to pending claims and a new claim. **This Supplemental Amendment/Response is essentially self-contained, and there is no need for the Examiner to refer back to the claim list and Remarks in the previously filed Amendment/Response of September 2005.** This Supplemental Amendment/Response includes new and amended claims, and a new Abstract.

11/22/2005 TL0111 00000011 10037718

01 FC:2201  
02 FC:2202

100.00 OP  
450.00 OP

Supplemental Amendment/Response for application 10/037, 718 Applicants MCGINNIS ET AL. 2  
November 20, 2005; 26 total pages submitted by fax to 571-273-8300

Two new independent claims have been added. However, one of these new independent claims is identical in scope to a previously allowed claim (for the present application) that was canceled by the applicants to avoid a double patenting rejection in the parent application. (The parent was eventually abandoned.) The second new independent (apparatus) claim recites a novel, unobvious structural element limitation that is also recited in an already allowed independent claim in the present application. And this structural element limitation is the basis for patentability of the already allowed claim.

Applicants have attempted to aid the Examiner in the examination process. Applicants have cited with particularity support in the application for the new and amended claims. This citation of support includes references to individual paragraph numbers in the application.

A small entity fee of extra claim fee of \$550 (for a total of 18 extra claims and 1 extra independent claim) is included herewith; a fee of \$25 was previously paid for 1 total extra claim in the previously filed Amendment /Response of September 13, 2005. **So total small entity extra claim fees paid to date are for a total of 19 extra claims and 1 extra independent claim.**

**Amendments to the Claims** are reflected in the claim listing, which begins on page 3 of this paper.

**Amendments to the Abstract** begin on page 12.

**Remarks** begin on page 14 of this paper.

**Conclusion** begins on page 26 of this paper.